



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

United Steel Products Company
14305 Southcross Drive # 200
Burnsville, MN 55306

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series UMH Wood Connectors

APPROVAL DOCUMENT: Drawing No. **MD-UMH**, titled "UMH Series Universal Masonry Hanger", sheet 1 of 1, dated 08/12/10, prepared by United Steel Products Company, signed and sealed by Steven A. Brekke, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Largo, FL and "MDCPCA" (Miami-Dade County Product Control Approved).

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews** NOA # **04-1122.03** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



Signature
10/22/10

NOA No. 10-0907.18
Expiration Date: October 13, 2015
Approval Date: October 13, 2010
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **MD-UMH**, titled "UMH Series Universal Masonry Hanger", sheet 1 of 1, dated 08/12/10, prepared by United Steel Products Company, signed and sealed by Steven A. Brekke, P.E.

B. TESTS

1. Test reports on wood connectors per ASTM D1761 by Product Testing Inc, signed and sealed by C. R. Caudel, P.E.

Report No.	Wood Connector	Direction	Date
PT # 04-4961	UMH 358	Upward & Downward	09/08/04
<i>"Submitted under NOA # 04-1122.03"</i>			

B. CALCULATIONS

1. Universal Masonry Hanger calculations, prepared by United Steel Products Company, dated 08/17/10, signed and sealed by Steven A. Brekke, P.E.
2. Calculated Values for Universal Masonry Hanger, Sheets 1 through 4 of 4, dated 10/14/04, prepared, signed and sealed by Robert W. Lutz, P.E.
"Submitted under NOA # 04-1122.03"

D. QUALITY ASSURANCE

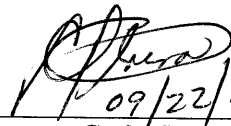
1. Miami Dade Building Code Compliance Office (BCCO)

E. MATERIAL CERTIFICATIONS

1. None.

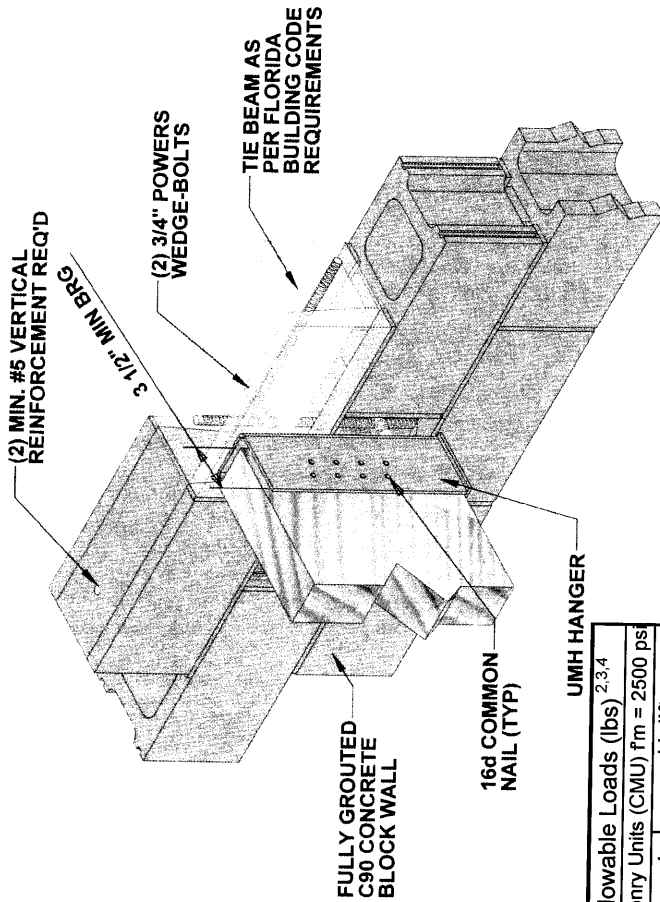
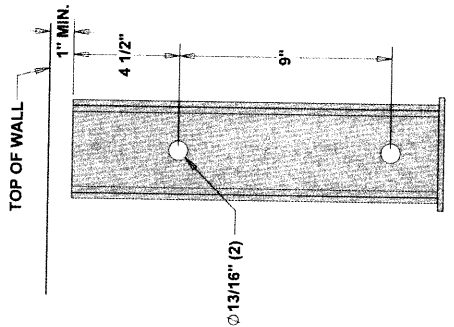
F. STATEMENTS

1. Statement letter of code conformance to 2007 FBC, issued by United Steel Products Company, dated 08/17/10, signed and sealed by Steven A. Brekke, P.E.
2. Statement letter of no financial interest, issued by United Steel Products Company, dated 08/17/10, signed and sealed by Steven A. Brekke, P.E.


09/22/10

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 10-0907.18

Expiration Date: October 13, 2015
Approval Date: October 13, 2010



UMH Universal Masonry Hangers

Stock Number	Steel Gage ¹	Dimensions (inches)			Fastener Schedule ^{5,6}			DF/SP Allowable Loads (lbs) ^{2,3,4}		
					Header		Joist	Concrete Masonry Units (CMU) f'm = 2500 psi		
		W	H	D	Qty	Bolt Dia. (in.)		Floor	Const.	Uplift
UMH358	3	3 ⁵ / ₈	15 ¹ / ₂	5	2	3/4	16	100%	125%	160%
UMH458	3	4 ⁵ / ₈	15 ¹ / ₂	5	2	3/4	16	3550	3550	3550
UMH538	3	5 ³ / ₈	15 ¹ / ₂	5	2	3/4	16	3550	3550	3550
UMH558	3	5 ⁵ / ₈	15 ¹ / ₂	5	2	3/4	16	3550	3550	3550
UMH718	3	7 ¹ / ₈	15 ¹ / ₂	5	2	3/4	16	3550	3550	3550

For SI: 1 inch = 25.4 mm, 1 lbf = 4.45 N, 1 psi = 6.89 kPa.

- Material is 3Ga with a minimum design thickness of 0.238 inch conforming to ASTM A36.
- Downward loads have been increased 25% for construction loading as per the NDS; no further increase shall be permitted.
- Uplift loads have been increased 33% and 60% for wind or seismic loads; no further increase shall be permitted.
- Allowable loads are based on the National Design Specification for Wood Construction (NDS) 2005 Edition using a specific gravity of 0.50 or higher and moisture content of 19% or less.
- A 16d Common Nail is 3-1/2 inches long and 0.162-inch in diameter.
- Fasten UMH hangers to concrete masonry structure with two 3/4" diameter Powers Fasteners Wedge-Bolts® or equal with 5" minimum embedment. Bolts shall be installed in masonry with grouted cells in accordance to manufacturer's installation specifications.
- Minimum anchor edge distance is 5-1/2" in all directions.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 10-0907.10
Expiration Date 10/13/2015
By *[Signature]*
Miami Dade Product Control
Division

UNITED STEEL PRODUCTS COMPANY

14305 SOUTHCROSS DRIVE - SUITE 200
BURNSVILLE, MN 55306 PH: 800-328-5934

NAME:	UMH SERIES
DATE:	UNIVERSAL MASONRY HANGER
8/12/2010	STEVEN A. BREKKE
SHEET:	PROFESSIONAL ENGINEER
1 OF 1	LICENSE NO. 70432
	DRAWING NO.:
	MD-UMH

[Signature] 8/12/10